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Attorney Docket No.: 40-001120US  
Client Reference No.: 01-001120US

### DECLARATION

As a below named inventor, I declare that:

My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **PLANAR NANOWIRE BASED SENSOR ELEMENTS, DEVICES, SYSTEMS AND METHODS FOR USING AND MAKING SAME** the specification of which \_\_\_ is attached hereto or X was filed on June 26, 2003 as Application No. 10/608,775, and was amended on \_\_\_\_\_ (if applicable).

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56. I claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

#### Prior Foreign Application(s)

Country	Application No.	Date of Filing	Priority Claimed Under 35 USC 119

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

Application No.	Filing Date
60/392,205	June 27, 2002
60/426,076	November 13, 2002

I claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date of Filing	Status

Full Name of Inventor 1:	Full Name: <b>George Pontis</b>		
Residence & Citizenship:	City: <b>Redwood City</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>US</b>
Post Office Address:	Post Office Address: <b>25 Hermosa Road, Redwood City, California 94304 USA</b>		
Full Name of Inventor 2:	Full Name: <b>Walter Stonas</b>		
Residence & Citizenship:	City: <b>Campbell</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>US</b>
Post Office Address:	Post Office Address: <b>270 Friar Way, Campbell, California 95008 USA</b>		
Full Name of Inventor 3:	Full Name: <b>Calvin Chow</b>		
Residence & Citizenship:	City: <b>Portola Valley</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>US</b>
Post Office Address:	Post Office Address: <b>455 Minoca Drive, Portola Valley, California 94028 USA</b>		
Full Name of Inventor 4:	Full Name: <b>J. Wallace Parce</b>		
Residence & Citizenship:	City: <b>Palo Alto</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>US</b>
Post Office Address:	Post Office Address: <b>754 Los Robles Avenue, Palo Alto, California 94304 USA</b>		
Full Name of Inventor 5:	Full Name: <b>Yaoling Pan</b>		
Residence & Citizenship:	City: <b>Union City</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>CN</b>
Post Office Address:	Post Office Address: <b>34964 Eastin Drive, Union City, California 94587 USA</b>		
Full Name of Inventor 6:	Full Name: <b>Linda T. Romano</b>		
Residence & Citizenship:	City: <b>Sunnyvale</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>US</b>
Post Office Address:	Post Office Address: <b>1055 Westchester Drive, Sunnyvale, California 94087 USA</b>		
Full Name of Inventor 7:	Full Name: <b>Shahriar Mostarshed</b>		
Residence & Citizenship:	City: <b>San Mateo</b>	State/Foreign Country: <b>California</b>	Country of Citizenship: <b>US</b>
Post Office Address:	Post Office Address: <b>1951 O'Farrell Street #405, San Mateo, California 94403 USA</b>		

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  <u><i>George Pontis</i></u> <b>George Pontis</b>	Signature of Inventor 2  _____ <b>Walter Stonas</b>	Signature of Inventor 3  _____ <b>Calvin Chow</b>
Date <u>May. 9, 2004</u>	Date _____	Date _____

Signature of Inventor 4  _____ <b>J. Wallace Parce</b>	Signature of Inventor 5  _____ <b>Yaoling Pan</b>	Signature of Inventor 6  _____ <b>Linda T. Romano</b>
Date _____	Date _____	Date _____

Signature of Inventor 7  _____ <b>Shahriar Mostarshed</b>
Date _____



Attorney Docket No.: 40-001120US  
Client Reference No.: 01-001120US

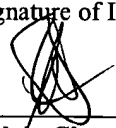
I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

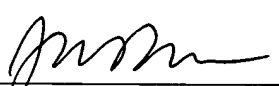

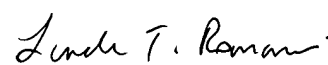
Signature of Inventor 1	Signature of Inventor 2	Signature of Inventor 3
<u>George Pontis</u>	<u>Walter Stonas</u> Walter Stonas	<u>Calvin Chow</u>
Date	Date <u>3/10/2004</u>	Date

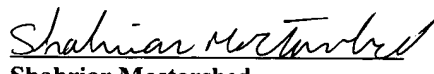
Signature of Inventor 4	Signature of Inventor 5	Signature of Inventor 6
<u>J. Wallace Parce</u>	<u>Yaoling Pan</u>	<u>Linda T. Romano</u>
Date	Date	Date

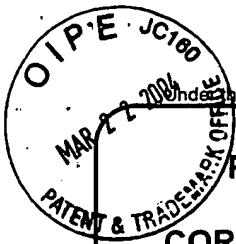
Signature of Inventor 7
<u>Shahriar Mostarshed</u>
Date

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Signature of Inventor 1  <u>George Pontis</u>	Signature of Inventor 2  <u>Walter Stonas</u>	Signature of Inventor 3  <u>3-3-04</u> <u>Calvin Chow</u>
Date	Date	Date

Signature of Inventor 4  <u>J. Wallace Parce</u>	Signature of Inventor 5  <u>Yaoling Pan</u>	Signature of Inventor 6  <u>Linda T. Romano</u>
Date <u>3/3/04</u>	Date <u>3/3/04</u>	Date <u>3/3/04</u>

Signature of Inventor 7  <u>Shahriar Mostarshed</u>
Date <u>3-3-04</u>



**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	10/608,775
Filing Date	June 26, 2003
First Named Inventor	George Pontis
Title	PLANAR NANOWIRE BASED SENSOR
Art Unit	1743
Examiner Name	Unassigned
Attorney Docket Number	40-001120US

I hereby appoint:

☒ Practitioners associated with the Customer Number:

OR

☒ Practitioner(s) named below:



**22798**

PATENT TRADEMARK OFFICE

Name	Registration Number
Matthew B. Murphy	39,787

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

--

OR

<input checked="" type="checkbox"/> Firm or Individual Name	Quine Intellectual Property Law Group, P.C.				
Address	P.O. Box 458				
Address					
City	Alameda	State	CA	Zip	94501
Country	United States				
Telephone	(510) 337-7871	Fax	(510) 337-7877		

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Name	<i>Matthew Murphy</i>				
Signature	<i>Matthew Murphy</i>				
Date	3/16/04	Telephone	650-331-2109		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or Printed Name	Amelia Weintraub		
Signature	<i>[Signature]</i>	Date	March 18, 2004



**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant: George Pontis, et al.

Application No.: 10/608,775

Filed: June 26, 2003

Entitled: **PLANAR NANOWIRE BASED SENSOR ELEMENTS, DEVICES, SYSTEMS  
AND METHODS FOR USING AND MAKING SAME**

NANOSYS, Inc.

, a

corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_, Frame \_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet

☒ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

March 16 2004  
Date

Matthew Murphy  
Signature

Matthew Murphy  
Typed or printed name

V.P. Intellectual Property  
Title



NOT FOR RECORDATION

COPY

Attorney Docket No.: 40-001120US  
Client Reference No.: 01-001120US

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, George Pontis, of 25 Hermosa Road, Redwood City, California 94304 USA, Walter Stonas of 270 Friar Way, Campbell, California 95008 USA, Calvin Chow of 455 Minoca Drive, Portola Valley, California 94028 USA, J. Wallace Parce, 754 Los Robles Avenue, Palo Alto, California 94304 USA, Yaoling Pan of 34964 Eastin Drive, Union City, California 94587 USA, Linda T. Romano of 1055 Westchester Drive, Sunnyvale, California 94087 USA, and Shahriar Mostarshed of 1951 O'Farrell Street, #405, San Mateo, California, 94403 United States of America, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: PLANAR NANOWIRE BASED SENSOR  
ELEMENTS, DEVICES, SYSTEMS AND  
METHODS FOR USING AND MAKING  
SAME

Filing Date: June 26, 2003

Application No.: 10/608,775; and

WHEREAS, NANOSYS, Inc., a corporation, located at 2625 Hanover Street, Palo Alto CA 94304, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and which claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

NOT FOR RECORDATION

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Assignment  
Application No.: 10/608,775  
Page 2

IN TESTIMONY WHEREOF, Assignors have signed his/her name on the date indicated.

Dated: Mar. 9, 2004

George Pontis  
George Pontis

Dated: \_\_\_\_\_

\_\_\_\_\_  
Walter Stonas

Dated: \_\_\_\_\_

\_\_\_\_\_  
Calvin Chow

Dated: \_\_\_\_\_

\_\_\_\_\_  
J. Wallace Parce

Dated: \_\_\_\_\_

\_\_\_\_\_  
Yaoling Pan

Dated: \_\_\_\_\_

\_\_\_\_\_  
Linda T. Romano

Dated: \_\_\_\_\_

\_\_\_\_\_  
Shahriar Mostarshed

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Assignment  
Application No.: 10/608,775  
Page 2

IN TESTIMONY WHEREOF, Assignors have signed his/her name on the date indicated.

Dated: \_\_\_\_\_

\_\_\_\_\_  
George Pontis

Dated: 3/10/2004

Walter Stonas  
Walter Stonas

Dated: \_\_\_\_\_

\_\_\_\_\_  
Calvin Chow

Dated: \_\_\_\_\_

\_\_\_\_\_  
J. Wallace Parce

Dated: \_\_\_\_\_

\_\_\_\_\_  
Yaoling Pan

Dated: \_\_\_\_\_

\_\_\_\_\_  
Linda T. Romano

Dated: \_\_\_\_\_

\_\_\_\_\_  
Shahriar Mostarshed

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Assignment  
Application No.: 10/608,775  
Page 2

IN TESTIMONY WHEREOF, Assignors have signed his/her name on the date indicated.


Dated: \_\_\_\_\_

George Pontis

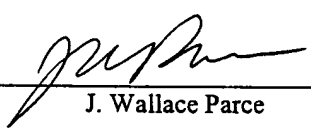
Dated: \_\_\_\_\_

Walter Stonas


Dated: 3-3-04

  
Calvin Chow

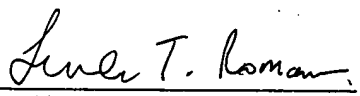
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J. Wallace Parce

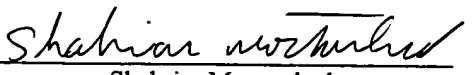
Dated: 3/7/04

  
Yaoling Pan

Dated: 3/3/04

  
Linda T. Romano

Dated: 3-3-04

  
Shahriar Mostarshed